What is claimed is:

- 1. A compound 8 to 50 nucleobases in length targeted to a nucleic acid molecule encoding HKR1, wherein said compound specifically hybridizes with said nucleic acid molecule encoding HKR1 and inhibits the expression of HKR1.
- 2. The compound of claim 1 which is an antisense oligonucleotide.
- 3. The compound of claim 2 wherein the antisense oligonucleotide has a sequence comprising SEQ ID NO: 14, 15, 16, 18, 24, 26, 28, 29, 30, 31, 33, 35, 39, 43, 47, 55, 56, 57, 58, 59, 60, 61, 62, 64, 66, 67, 73, 74, 75, 76, 78, 81, 82, 84 or 87.
- 4. The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified internucleoside linkage.
- 5. The compound of claim 4 wherein the modified internucleoside linkage is a phosphorothicate linkage.
- 6. The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified sugar moiety.
- 7. The compound of claim 6 wherein the modified sugar moiety is a 2'-O-methoxyethyl sugar moiety.
- 8. The compound of claim 2 wherein the antisense oligonucleotide comprises at least one modified nucleobase.
- 9. The compound of claim 8 wherein the modified nucleobase is a 5-methylcytosine.
- 10. The compound of claim 2 wherein the antisense oligonucleotide is a chimeric oligonucleotide.
- 11. A compound 8 to 50 nucleobases in length which specifically hybridizes with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding HKR1.
- 12. A composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier or diluent.
- 13. The composition of claim 12 further comprising a colloidal dispersion system.

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- 14. The composition of claim 12 wherein the compound is an antisense oligonucleotide.
- 15. A method of inhibiting the expression of HKR1 in cells or tissues comprising contacting said cells or tissues with the compound of claim 1 so that expression of HKR1 is inhibited.
- 16. A method of treating an animal having a disease or condition associated with HKR1 comprising administering to said animal a therapeutically or prophylactically effective amount of the compound of claim 1 so that expression of HKR1 is inhibited.
- 17. The method of claim 16 wherein the disease or condition is a hyperproliferative disorder.
- 18. The method of claim 17 wherein the hyperproliferative disorder 1s cancer.
- 19. The method of claim 18 wherein the cancer is lung or brain cancer.
- 20. The method of claim 18 wherein the cancer is breast cancer.